

Application No.: 10/687340

Case No.: 58981US002

Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Previously Presented) A hydrophilic surface coated with a surfactant composition comprising:

a nonionic surfactant component from about 0.2% to 0.6% selected from the group consisting of alkoxyated alkyl diol; alkoxyated alkyacetylenic diol; alkoxyated glycerin monoester of an alkyl alcohol; alkoxyated glycerin monoester of an aralkyl alcohol; alkoxyated alkyl alcohol; polyalkoxyated aralkyl alcohol; silicone copolyol; polyethoxyated phenol; a fatty acid ester of a polyalkoxyated diol; a fatty acid ester of a polyalkoxyated triol, and polyalkoxyated perfluoroalkyl-containing surfactant;

a stabilizer component from about 0.05% to 0.5%; and

a solvent;

wherein the surfactant composition is dried on the surface;

wherein the surfactant composition free of the solvent when dried and coated on a substrate comprises the surfactant and stabilizer in a ratio of 0.2:1 to 12:1 wt/wt; and wherein the hydrophilic characteristics indicated by a Spreading Drop Test retain at least 85% of the original spreading drop diameter after 3 weeks of aging at 23°C and 50% relative humidity.

2. (Original) The surfactant composition of claim 1 wherein the solvent comprises a mixture of water and alcohol.

3. (Original) The surfactant composition of claim 2 wherein the alcohol is selected from the group consisting of methanol, ethanol, 1-propanol, 2-propanol, and butanol.

4. (Original) The surfactant composition of claim 1 wherein the surfactant component is a liquid at temperatures below 25 °C.

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5 – 6. (cancelled)

7. (Original) The surfactant composition of claim 1 wherein the surfactant component is an ethoxylated acetylenic diol.

8. (Original) The surfactant composition of claim 1 wherein the stabilizer component has a melting point greater than 25 °C.

9. (Original) The surfactant composition of claim 8 wherein the stabilizer component has a melting point of at least 45 °C.

10. (Original) The surfactant composition of claim 1 wherein the stabilizer component is selected from the group consisting of anionic perfluoroalkyl-containing surfactant; alkyl, aralkyl or alkaryl sulfonate; alkyl, aralkyl or alkaryl sulfate; alkyl, aralkyl or alkaryl phosphonate; alkyl, aralkyl or alkaryl phosphate; aralkyl or alkaryl phosphonate; alkyl, aralkyl or alkaryl betaine; aralkyl or alkaryl phosphonate sultaine; and fatty imidazolines and derivatives thereof.

11. (Original) The surfactant composition of claim 10 wherein the stabilizer component is an aralkyl sulfonate.

12. (Original) The surfactant composition of claim 10 where the stabilizer component is an alkali metal salt of dodecylbenzene sulfonate.

13. (Previously presented) The surfactant composition of claim 1 wherein the hydrophilic characteristics indicated by the spreading drop diameter retain at least 90% of the original drop diameter after 3 weeks of aging at 23 °C and 50% relative humidity.

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14. (Previously presented) The surfactant composition of claim 1 wherein the hydrophilic characteristics indicated by the spreading drop diameter retain at least 95% of the original drop diameter after 3 weeks of aging at 23 °C and 50% relative humidity.

15. (Previously presented) A coated article, comprising
a non-porous substrate; and
a dried coating comprising a surfactant component and a stabilizer component in a ratio of 0.2:1 to 12:1 wt/wt wherein the hydrophilic characteristics indicated by the spreading drop diameter retain at least 85% of the original drop diameter after 3 weeks of aging at 23 °C and 50% relative humidity;

wherein the surfactant component is a nonionic surfactant selected from the group consisting of alkoxyated alkyl diol; alkoxyated alkyacetylenic diol; alkoxyated glycerin monoester of an alkyl alcohol; alkoxyated glycerin monoester of an aralkyl alcohol; alkoxyated alkyl alcohol; polyalkoxyated aralkyl alcohol; silicone copolyol; polyethoxyated phenol; a fatty acid ester of a polyalkoxyated diol; a fatty acid ester of a polyalkoxyated triol, and polyalkoxyated perfluoroalkyl-containing surfactant.

16. (Original) The coating of claim 15 wherein the surfactant component is a liquid at temperatures below 25 °C.

17 - 18. (Cancelled)

19. (Original) The coating of claim 18 wherein the surfactant component is an ethoxyated acetylenic diol.

20. (Original) The coating of claim 15 wherein the stabilizer component has a melting point greater than 25 °C.

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21. (Original) The coating of claim 15 wherein the stabilizer component is a selected from the group consisting of anionic perfluoroalkyl-containing surfactant; alkyl, aralkyl or alkaryl sulfonate; alkyl, aralkyl or alkaryl sulfate; alkyl, aralkyl or alkaryl phosphonate; alkyl, aralkyl or alkaryl phosphate; alkyl, aralkyl or alkaryl betaine; alkyl, aralkyl or alkaryl sultaine; and fatty imidazolines and derivatives thereof.

22. (Original) The coating of claim 21 wherein the stabilizer component is an alkali metal salt of dodecylbenzene sulfonate.

23. (Previously presented) The coating of claim 15 wherein the hydrophilic characteristics indicated by the spreading drop diameter retain at least 90% of the original drop diameter after 3 weeks of aging at 23 °C and 50% relative humidity in a recirculated chamber.

24. (Previously presented) The coating of claim 15 wherein the substrate is a film.

25 - 29. (Cancelled)